## Renewable Energy Initiative Minutes Monday, July 9, 2007

- I. Welcome and introductions Rick Sprott, Executive Director, Utah Department of Environmental Quality
- **II**. **Purpose and scope of working group effort** -- Dianne Nielson, Governor's Energy Policy Advisor;
  - Purpose of working group is to develop detailed public policy actions that can be taken by state government and other leaders to increase the development of cost effective renewable electrical energy resources
  - Due to time constraints, we will focus on renewable electricity generation resources; transportation and other renewable energy areas will be addressed in a separate workgroup
  - Reasons for considering more renewables
    - Energy resource diversification
    - Improved air quality
    - Reduce CO2 emissions
    - Economic development
  - Working group timeline- **Draft report by end of Sept. Final report by Oct 15**
- **III. Working group process** Co-chairs Tim Wagner and Ernie Wessman
  - Open meeting format
  - Ground rules
    - Common courtesy
    - Participants are encouraged to attend regularly, and those who do not may find that their comments are difficult to incorporate into the final work product.
  - Group meetings will be technical in nature and involved detailed discussion of complex topics
  - We are looking at public policy initiatives that will increase the deployment of cost effective renewables in general, not specific technology. We do not pick winners and losers.
    - Participants are encouraged to submit credible and verifiable information and data that they would be comfortable certifying to be true and correct.

- Seek to identify majority view and capture minority perspectives for consideration by BRAC
  - Develop findings and recommendations that will meet the needs of most of the stakeholder interests and make provision for other comments to be included.

### IV. Initial working definition of renewables – James Campbell

- What are commonly identified as renewable resources?
  - wind
  - geothermal
  - concentrating solar
  - photovoltaic solar
  - qualifying hydroelectric
  - biomass
  - landfill gas
- Items for future discussion:
  - Where facilities can qualify?
  - When do they come online?
  - Does energy efficiency count towards goals?

## V. Review of work done by SWG Energy Supply Sector Group – Tim Wagner

- Influence diagram
- Recommendations on each initiative

# VII. Exercise: Force field analysis to catalog the drivers and restraining forces around renewable energy resources – Ernie Wessman

- See attachment

#### VIII. Proposed next meeting

We will be meeting every wed 10am-12pm at DEQ; except July 18. Due to Interm legislative meetings on July 18, we will meet between 2-4pm at DEQ.

#### IX. Action Items

- Review Influence Diagram (Ernie's Brain on Clean Air) and policy Options' from the Energy Supply work group
- Review Force Field diagram and prioritize drivers and restraints
- Review Dr. Ryan Wiser presentation on other states renewable programs (see DEQ Climate Change website)

# Force Field Diagram

# **DRIVERS**

**RESTRAINING FACTORS** 

Streamlining process \_\_\_\_\_

Workforce resources

Cost of fossil fuel

Cost of fossil fuels

Increased awareness of CO2

Infrastructure costs

Foreign policy

Political influence

Increasing demand for energy

Physical operating limitations

Desire for air quality ——

Economies of scale

Tax credits for RE

Inertia

QF attractive avoided cost

Perception issues/uncertainty

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Procurement issues

Reduced waste \_\_\_\_\_

Resource quality

Improved RE technology -----

Timing/scale of cash flow

— Maturity

Portfolio standard ———

**—** 

Nature of regulation/low-cost risk

Market for offset \_\_\_\_\_

Inconsistent incentives/lack of standards